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PROJECTS IMPACTING FEDERAL POWER KANSAS CITY DISTRICT



- AmerenUE's (Bagnell Dam) FERC Re-licensing Impacts, Harry S. Truman Project
- Draft Tube Bulkheads and Cylinder Hoists Repair Project, Harry S. Truman Power Plant
- Water Supply Storage Reallocation, Stockton Project



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AmerenUE (Bagnell Dam) FERC Re-licensing Impacts at Harry S. Truman Project



- Article 409 of the new FERC license recommended that AmerenUE enter into consultation with the Corps concerning ramp down rates at Truman to help minimize shoreline erosion
- New FERC license recommended that the MOA for project operations coordination between the Corps and AmerenUE be amended to address ramp down rates
- Kansas City District staff met with AmerenUE in 2007
- It was explained to AmerenUE that any significant changes to Truman operations would require at least an Environmental Assessment (EA) and possibly an Environmental Impact Statement (EIS)



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AmerenUE (Bagnell Dam) FERC Re-licensing Impacts at Harry S. Truman Project



- An updated MOA between AmerenUE and the Corps was signed on 20 Sep 07 establishing project operations coordination (i.e. flood control, power plant, and minimum flow releases)
- MOA includes language stating AmerenUE will implement, in coordination with the Corps, post-flood flow ramping down rates at the Osage (Bagnell) plant
- If possible, Kansas City District will attempt to meet AmerenUE's recommended ramp down rates if they do not affect flood control benefits
- **Bottom Line: AmerenUE's new FERC license and updated MOA with the Corps will have no significant impact on Truman's flood control and power generation operations**



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Draft Tube Bulkheads and Cylinder Hoists Repair Project, Harry S. Truman Power Plant



- Scope of Work:
 - Perform weld inspections on the Draft Tube Bulkheads (DTB) in accordance with ER 1110-2-8157
 - Repair any weld defects identified on DTB
 - Redesign and replace ceramic coating system on the hydraulic cylinders
 - Repair failed nickel plating on the cylinder rod ends
 - Replace seals and anodes on each DTB
 - Design and install an automatic latching (dogging) mechanism on each DTB to prevent cylinder drift and cycling



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Draft Tube Bulkheads and Cylinder Hoists Repair Project, Harry S. Truman Power Plant



- Project Delivery Team includes members from the following offices:
 - Hydro Design Center (HDC), Portland District
 - Construction and Cost Engineering, Portland District
 - Contracting, Portland and Kansas City Districts
 - Structural Section, Kansas City District
 - Construction (WAFB), Kansas City District
 - Operations Division, Kansas City District
 - Harry S. Truman Power Plant, Kansas City District
 - SWPA Representative, Marshall Boyken



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Draft Tube Bulkheads and Cylinder Hoists Repair Project, Harry S. Truman Power Plant



- Project Schedule:
 - 30% E&D/P&S Submittal Development/Review – Completed
 - 60% P&S Submittal/Review – Completed
 - 90% P&S Submittal/Review – June 2008
 - BCOE P&S Package Submittal/Review – August 2008
 - Final P&S Package – October 2008
 - Advertise Contract – October/November 2008
 - Award Contract – January/February 2009
 - Work Completed – September 2011



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Draft Tube Bulkheads and Cylinder Hoists Repair Project, Harry S. Truman Power Plant



Activity	Responsibility	Estimated Costs
DTB Hoist & Dogging Device E&D/P&S	HDC, Portland Dist.	\$213,000
DTB Inspection & Repair P&S	Engineering, Kansas City Dist.	\$30,000
Contract Admin (Pre-award)	Contracting, Portland Dist.	\$24,000
Contract Admin (Post-award)	Contracting, Kansas City Dist.	\$8,000
DTB and Hoist Repair Contract	Contractor	\$3,205,000++
Contract S&A	Construction, Kansas City Dist.	\$150,000
	Total	\$3,630,000++



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Draft Tube Bulkheads and Cylinder Hoists Repair Project, Harry S. Truman Power Plant



- Project Challenges
 - Redesign of DTB automatic dogging system
 - Staff Turnover/Reassignments/Shortages
 - Increase in workload for PDT Members



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Water Supply Storage Reallocation Stockton Project



- 50,000 ac-ft of municipal allocation for water supply has already been granted to City Utilities of Springfield (CUS)
- CUS is currently using one-half (25,000 ac-ft) of their allocation
- Additional pumps, pipeline upgrades, etc. would be required for CUS to use the remaining 25,000 ac-ft



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Water Supply Storage Reallocation Stockton Project



- Tri-State Water Resources Water Supply Reallocation Inquiry
 - 10 May 2007: Meeting between Tri-State, Corps, SWPA, MDNR, and representatives from Senator Bond's and Congressmen Ike Skelton's and Roy Blunt's offices
 - Purpose of meeting was to identify water supply options to meet short term and long term demand within the Tri-State water district and learn more about the water reallocation process at Corps lakes (specifically Stockton and Table Rock)
 - Congressional approval is required for water reallocation from COE lakes



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Water Supply Storage Reallocation Stockton Project



- Tri-State Water Resources Water Supply Reallocation Inquiry Cont'd
 - Approval process can be time consuming and costly requiring an Environmental Impact Statement (EIS) and/or Environmental Assessment (EA)
 - No federal funding available for water reallocation projects
 - SWPA does not oppose water reallocations for water supply, but would expect appropriate compensation
 - Senator Kit Bond's representative concerned that water supply reallocation would impact flood control, recreation, and hydropower purposes of projects and recommended that EIS be performed



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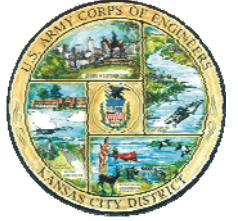
Water Supply Storage Reallocation Stockton Project



- Tri-State Water Resources Water Supply Reallocation Inquiry Cont'd
 - Tri-State was going to contact COE Districts requesting guidance for starting the reallocation process and pursue other water supply options
 - No correspondence has occurred between Kansas City District and Tri-State since the May 2007 meeting



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Questions?